

Business Domain

HiTech and Software Platforms

Project Type

Web and Desktop Applications

Development of Precise Online and Offline Applications for Scales, Digital Balances and Sensors

Client

Mettler Toledo is a leading global supplier, one of the largest in the world, of precision instruments and services. The Client's weighing instruments are used in laboratories, industrial, and food retailing applications. The Client's company holds the top-three market positions in providing several related analytical instruments and automated chemistry systems used in drug and chemical compound discovery and development.

Project

Development of online and offline applications for scales and digital balances. The functionality includes PDF and Excel report generation; finding the most appropriate devices with the help of complicated algorithms based on preferences and requests; scale verifications; integration with different Client's systems; gathering of statistics; offline work and subsequent data synchronization.

Objective

To create an application that collects requirements from the GWP Competence Center team and from the users to provide better service quality. To decrease error source based on manual workflows by automatic data integration with the Client's existing systems. To show customers that the software has a solid and reliable basis and has undergone a serious validation procedure which therefore portrays the expertise of the Client with regards to the science of weighing.

Team Reinforcement

The Client had an out-of-date application that didn't respond to the company's constantly growing needs. The company did not have enough resources to develop a new application covering all necessary areas. Intetetics quickly provided an experienced team to fulfill the Client's request and organized the software development process.

Challenge

The Client's service network is one of the largest in the industry, serving customers from all around the globe on a daily basis. The network offers precision instruments and services for many applications in research and development, quality control, production, logistics and retail. The Client's manufacturing facilities are located in the USA, Germany, the UK, Switzerland, and the People's Republic of China.

The global company has a complex structure with many different departments and systems not integrated with each other.

The Client needed to find the best match to customer requests based on complicated algorithms, and support existing customers with precise scale verifications. Accuracy is of the utmost importance.

The client decided to use Intetics services due to the lack of their own resources and because of the previous positive experience of cooperation with Intetics.

Quick Facts

- ✓ 12 years of continuous cooperation
- ✓ 10 projects made for the Client
- ✓ Intetics managed the whole development process

Technologies

.NET / .Net identity framework / ASP.NET Web Api / Entity Framework / xUnit / Angular / AngularJS / HTML5 / Webpack / Protractor / JavaScript / TypeScript

Solution

★ 01

The application developed by Intetics helps sell the most appropriate scales for the customers and deliver better service worldwide.

★ 02

The application is constantly growing to satisfy client needs. New modules and numerous functionalities have been added since 2013.

★ 03

Every application release generated positive feedback from the users.

★ 04

The software solution allows accurate work with complicated calculations, generation of different report types, data import from separate systems, generation of configurations for different Client's devices.

★ 05

To strengthen the security of the application, the Client used a security check from TETRA.

GWP® Recommendation

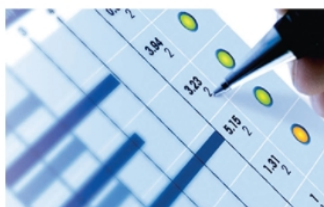


GWP Recommendation helps you select the right balances and scales for specific process and quality requirements.

Recent

New

GWP® Verification



GWP Verification ensures that weighing devices deliver reliable and accurate results at all times.

Recent

New

GWP® Recommendation for Weighing Components



GWP Recommendation for Weighing Components is a unique science-based service to select weighing components with an accuracy that meets specific process and quality requirements.

Recent

New

Tools



Minimum Weight Tables, Statistical Panels, and others.

Continue

Client Reference



I would like to thank all of you, not only for your hard and diligent work but also for the very pleasant collaboration over the last few years. I am looking forward to many more projects that we can do together.

Product Manager

Benefits and Results

- ★ The quality of existing Client data was improved, many data inconsistencies were found due to the integration of the application with pre-existing Clients' systems.
- ★ Manual work was noticeably reduced after the implementation of new features which automated already existing processes.
- ★ Mettler Toledo won Best Weighing Company, Best Laboratory Scale/Balance and other awards several years in a row while cooperating with Intetics.
- ★ The Client was deeply satisfied with the application performance and continues to cooperate with the Intetics team.

Techstack:

.NET, .Net identity framework, ASP.NET Web Api, Entity Framework, xUnit, Angular, AngularJS, HTML5, Webpack, Protractor, JavaScript, TypeScript

Team: 10+

Project Manager, System Analyst, Team Lead, Developers, QA Engineers